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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/540,142	06/21/2005	Kuniaki Kawaguchi	1226-111	8877	
23117 7590 05/14/2007 NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203			EXAMINER		
			MOORE, MARGARET G		
ARLINGTON,	VA 22203		ART UNIT	PAPER NUMBER	
			1712		
	•		MAIL DATE	DELIVERY MODE	
			05/14/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Application No.	Applicant(s)			
Office Action Summary		10/540,142	KAWAGUCHI, KUNIAKI			
		Examiner	Art Unit			
		Margaret G. Moore	1712			
Ti Period for R	he MAILING DATE of this communication apeply	ppears on the cover sheet with the	correspondence address			
WHICHE - Extensions after SIX (- If NO period - Failure to Any reply	TENED STATUTORY PERIOD FOR REPL VER IS LONGER, FROM THE MAILING Is so fitime may be available under the provisions of 37 CFR 1. 60 MONTHS from the mailing date of this communication. but for reply is specified above, the maximum statutory period reply within the set or extended period for reply will, by statureceived by the Office later than three months after the mailing tent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tind d will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status	•					
1) <u></u> Re:	sponsive to communication(s) filed on	,				
		is action is non-final.				
3) <u></u> Sin	ce this application is in condition for allowa	ance except for formal matters, pro	osecution as to the merits is			
clo	sed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.			
Disposition	of Claims		· .			
4)⊠ Cla	im(s) <u>1 to 6</u> is/are pending in the application	on.		•		
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) <u></u> Cla	im(s) is/are allowed.					
6)⊠ Cla	im(s) <u>1 to 6</u> is/are rejected.					
	im(s) is/are objected to.					
8)∐ Cla	im(s) are subject to restriction and/	or election requirement.				
Application	Papers					
9) <u></u> The	specification is objected to by the Examin	er.				
10) <u></u> The	drawing(s) filed on is/are: a) acc	cepted or b) objected to by the	Examiner.			
App	licant may not request that any objection to the	e drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).			
	placement drawing sheet(s) including the correct		-			
11)∐ The	oath or declaration is objected to by the E	xaminer. Note the attached Office	Action or form PTO-152.			
Priority unde	er 35 U.S.C. § 119					
	nowledgment is made of a claim for foreign	n priority under 35 U.S.C. § 119(a)-(d) or (f).			
a)⊠ A	·—	de heue heen as seited				
	 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No. 					
	 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage 					
٠.ـــ	application from the International Burea		cu iii tiiis Mational Stage			
* See	the attached detailed Office action for a lis	• • •	ed.			
		·				
Attachment(s)						
	References Cited (PTO-892)	4) Interview Summary				
2) Notice of I Notice of I	Oraftsperson's Patent Drawing Review (PTO-948) n Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail Dail Dail Dail Dail Dail Dail Dail D				
Paper No(s)/Mail Date	6) Other:	••			

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1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1 to 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kashihara in view of Anada.

Kashihara teaches a polyacetal resin blend of a low hydroxyl containing polyacetal resin and a high hydroxyl containing polyacetal resin. See Table 1 which combines a polyacetal having a hydroxyl content of 18 mmol/kg with a polyacetal having a hydroxyl content of 100 or 150 mmol/kg in amounts that fall within the claimed range. While column 8, lines 5 to 10, teaches the addition of various fillers, Kashihara do not specifically teach the addition of glass fillers. Please note that this composition is used to make moldings.

Anada teaches polyacetal resin molding compositions. As can be seen from column 1, lines 15 to 23, it is known to include surface treated glass fillers to polyacetal resins in improve the mechanical strength. Note particularly that a surface treated filler used in combination with a boric acid compound (which is allowed for in the instant claims) provides notably improved molding compositions.

Thus one having ordinary skill in the art would have been motivated by the teachings of Anada to include a silane or titanate surface treated glass filler, such as glass fiber or glass flake, to the polyacetal resin molding composition in Kashihara in an effort to improve the mechanical strength thereof. The surface treated filler meets the requirements of claims 5 and 6.

For claim 2, please see column 2, lines 35 to 48, in Kashihara. For claims 3 and 4, see column 3, lines 35 to 62.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Margaret G. Moore whose telephone number is 571-

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272-1090. The examiner can normally be reached on Monday to Wednesday and Friday, 10am to 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Primary Examiner
Art Unit 1712

mgm 5/10/07